**ISSUING CLASSIFICATION ORIGINAL CROSS REFERENCE(S)** CLASS SUBCLASS (ONE SUBCLASS PER BLOCK) CLASS SUBCLASS INTERNATIONAL 1 1 ∧ Continued on Issue Slip Inside File Jacket INDEX OF CLAIMS N ..... . Rejected - (Through numeral) ... Canceled .. Non-elected A ..... Appeal Objected Interference 0... Allowed Restricted Date Date Claim Claim Date Claim Original Original Final Final 13 <del>22 23 23 25</del> 103 103 105 106 107 58 57 108 109 8 8 8 B B 8 C 0 B 5 5 112 113 83 83 83 83 87 114 115 116 117 ABLE COPY 1 8 1 9 120 121 122 123 124 125 126 68 70 71 72 73 75 76 78 79 80 83 83 83 85 86 87 129 110 132 / | 133 / | 134 / | 135 / | 136 / | 137 / | 88 89 140 8 6 8 8 8 8 8 8 8 141 142 144 145 146 147 148 149 // 100

If more than 150 claims or 9 actions stapl additi nal sheet h re

ISSUE SLIP STAPLE AREA (for additional cross-references)

## INDEX OF CLAIMS

	Rejected	N	Non-electe
_	Allowed	1	Interferenc
	(Through numeral) Canceled	Α	Appeal
-	Restricted	0	Objected

											÷			••		•••	•••		•••	
[	Claim Date															7				
	<u> </u>	Τ-	4	þ	7	l	_	1		T	_	Ţ					T			1
	평	Original	1		1	1	-			1		ł						Ì		
إ	Final	ō	ď	Z	L	7	_		_			1		L	$\perp$	_	1	_	_	
5	1	1	~	4	V		_			$\downarrow$	_	1	_	L	4		4	_		_
9		2	_	1	Ц			_	_	4	_	4		-	_		+	4		_
	_	3	_	Ĺ	Ц	L	L		L	4		4		L	4	_	+			_
		4	Ľ	/	ľ-	}	-	_	L	+	_	╀		-	$\dashv$		+		_	_
		5 6	1.	· ブ	-	┞	-	_	-	+	_	+		┝	$\dashv$		+		_	_
	$\vdash$	7	l	7	L	H	H		┝	+		$\dagger$	_	t	$\dashv$	-	+	-	-	-
	-	8	Ť	1		-	H		H	7	_	†	_	t			+	-	r	_
	-	9	<b>→</b> =	1	Ħ	_	H	_	T	7		7	_	T			1		Г	_
		10	-	7	11		T		T	٦		1		T			7			
	Γ	11	1	1	I															_
		12		7	$\prod$				L					1			4		L	_
		.13	_	1	4	Ĺ	L		L		_	$\downarrow$	_	1		L	4		Ļ	
	L	14	_	/ -/	4	L	Ļ	_	1	_	_	4	_	ļ	_	L	4		ŀ	
	<u>_</u>	15	_	/	4	L	1		+	_	_	-	_	╀	_	-	-	_	┞	_
٠.	-	16	N .	7	4	L	╀		╀	_	_	$\dashv$	_	+		$\vdash$	$\dashv$		├	_
//	Þ_	18		_	+	H	+	_	╁		-	-	_	$\dagger$	_	-			╁	_
	-	19	٠,	7	4	-	$\dagger$	-	+	_	H	┪	_	†		-	_	-	t	
	$\vdash$	20	-	7	4	_	t	_	$\dagger$		┢	٦	_	†	_	r		-	t	_
	$\vdash$	2	-	7	1		$\dagger$	-	$^{+}$	_	$\vdash$	-		†	_	t		┢	╁	_
	$\vdash$	2	-	7	1	_	t	-	t		╁			†	_	t	_	<del>                                     </del>	T	_
	$\vdash$	2	_	7	1	_	†		$\dagger$		T		Г	1		T	_		1	
	$\vdash$	2	_	v	1	٢	Ť		1	_										
'	Г	2	5	/	I	I			I		I		L			L		L	$\perp$	_
		2	_	/		1			1		L	_	_	_		1		L	$\downarrow$	_
	L	2	_	V	1	1	1	_	1		Ļ		L	4	_	1		╄-	╀	_
	L	2	_	V	/	4	4		+	_	╀		┡	-		+		╂-	+	-
	L	2	_	_	A	4	+		+		╀	_	├	4		+		╀╌	+	
	-		0	<u> </u>	$\frac{1}{k}$		H		+	_	+	-	╁	┥	_	+	_	╁	+	_
	$\vdash$		2	<u>ر</u>	7		Н		+	-	$\dagger$		t	+		t	_	╁	$\dagger$	-
			3	ž	1		Н		7	-	†	_	t	٦	_	†	_	$\dagger$	†	
•	E P	7 3	4	<u>ح</u> ر ا	オ	/	H	_	+	_	†		T		Γ	†			1	_
	十	_	35	L	7]	_	۱	_	]	_	1		Ι					L	I	
		1_	6	V	$\rfloor$	<u>,                                    </u>		_			Ţ		$\prod$	_		1		1	$\downarrow$	_
	L		37	V		/ _	$\parallel$	_	_		1		1		L	1		1	4	
	- 1		8	V	4	_	$\parallel$	L	4		4		+	_	$\vdash$	+		+	4	_
1	상		39)	2	/	4	1	_	4	_	+		+		⊦	+		+	+	_
	-	-	10	١	/	Ļ	4	L	4		+		+	_	-	+		+	$\dashv$	_
	-		41	۲	4	L	+	$\vdash$	_	_	4		+		$\vdash$	+		+	+	_
	-		12 43	L	/	-	+	-	_	-	+		+	_	$\vdash$	+		+	$\dashv$	_
-Pª	~6/2	<del>.  </del>	43 44	╁╾	7	-	1	H		$\vdash$	+	_	+	_	$\vdash$	+		+	$\dashv$	_
1	**		44	۲	_	1		$\vdash$		-	+	_	+	_	t	-		+	+	_
	-		46	t		t	_	T		-	1	_	+	_	T	1		1	7	_ [
		-	47	+	_	T	_	T		Γ			+		T			Ţ		
	t		48		_	Ţ.		T							I					L
			49	Ī				I	_				I	_	$oxed{\Box}$			$\perp$		L
	ſ	T	50	I	_	ĺ				L					1		L	$oldsymbol{\perp}$		L

F	Restric	ctec	1						U	•	••••	••••	•••	••••	••••	•••
Cla	im	 е	_	_												
		T	T		T			1		T			T			
<u>-</u>	Original	-	1		1						I					l
Final	Ö		1		l			١			1		İ			
	51	1	T		T					Τ			Γ			
	52	十	7		T		Г			T			T			
	53	十	7		†					T			Τ			1
	54	+	7	_	t			_		1						
	55	1			T	_	Γ						T			
	56	十			T					I						
	57	Т			T								1			
	58	T			I							L				1
	59				I		L					L	1	_	_	1
	60	$\top$											1		<u> </u>	1
	61								L	1		_	1			1
	62						L	_	L.	$\perp$	_	_	1		L	4
	63				1		Ŀ		L	$\downarrow$		_	1		_	4
	64				1		L		L	1		L	1		L	4
	65			L	$\perp$		1		_	1		L	4		_	4
	66			L	1		$\downarrow$		L	4		L	+		_	4
L	67		,	L	1	_	1		$\perp$	4		_	-		┡	4
L	68	$\perp$		L	4		$\downarrow$	_	$\perp$	4		╄	4		-	4
	69	$\perp$		1	4		ļ	_	╀	4		╀	4		₋	4
١.	70			L				_	$\perp$		_	L			_	
	71			L			1		L			┺	_		Ļ	_
	72	$\perp$	_	L			1	_	$\perp$			1	4		┼-	_
L	73			L		_	4	_	╀	_		1	4	<u>_</u>	-	_
L	74	_		╄-	_	_	4		$\perp$	_	_	╀		_	╀	_
L	75	_		$\downarrow$	4		4	_	+		_	╀	_	-	╀	_
	76	_		╀	_	_	4	_	+		-	+	_	-	╀╌	_
<b></b>	77			╀	_	-	+	_	╁		-	╀	_	$\vdash$	╁	_
L	78			+	_	_	+	_	+	_	┞	+		-	╁	_
-	79			+	_	┝	4	_	╁		-	+		-	╁	_
L	80	_		+	_	ŀ	4	_	╁		├	+		-	+	_
	81			+		L	4		+	_	$\vdash$	+		├	+	_
-	82	-1	_	+		┞	+		╬		-	+	-	$\vdash$	+	_
$\vdash$	83		-	+		├	+	_	+	_	+-	╁	_	╁	+	_
$\vdash$	85			╁		├	$\dashv$	_	+		╁╴	+	_	╁	+	_
$\vdash$	86	_	_	+	_	╁	+		+		╁	+	_	T	+	_
$\vdash$	87		-	+	_	╁	7		+	_	+	$\dagger$		r	†	-
$\vdash$	88		┢	+	_	┢	_		+		T	+		$\top$	+	_
$\vdash$	89		r	+	_	T	_	_	+		T	$\top$		T	T	_
$\vdash$	90		┪	$\dagger$	_	t		_	7		T	T			T	_
+	91	_	$\vdash$	$\dagger$	_	+	_	Г	$\dagger$		T	7		T	1	_
+	92	-	H	+		$\dagger$			$\dashv$	_	T	$\dagger$	_	$\dagger$	$\top$	_
	93	$\vdash$	$\vdash$	+	_	$\dagger$		Γ	7	_	T	7		T	$\top$	_
$\vdash$	94	$\vdash$	1	+	_	+		Γ	$\dashv$		1	_		T	$\top$	_
-	95	$\vdash$	t	+		$\dagger$	_	T	7	_	T		_			_
	96	T	T	7		†	_		_	_	I			$\perp$	I	
	97	+-	T	7	_	1		Γ		_	$\prod$	J			$\prod$	
卜	98		I			1	_				$\perp$			$\perp$	[	
	99		Γ			I		Ĺ		L	4			$\perp$	4	_
Г	100	V	1	I	_	- 1		1		1	- 1	- 1		-1	- 1	

							_	_						$\neg$	
Cla	im			_			Da	te		_	_	т	Т	$\dashv$	
	nal			Ì		-						-	-		
Final	Original					ı		l							
ш			_	ł	$\dashv$			$\dagger$	$\dashv$		-	+	+	-	
	101 102			╁	+			+	$\dashv$		-	+	+	$\neg$	
	103		_	╁	$\dashv$	-		†	1		-	$^{+}$	7	ㅓ	
	104		_	╁	-	-		╁	-		H	+	+	ᅱ	
	105			t	7	_		†	_		T	Ť	-	$\neg$	
	106			t	T	_		1				1	$\neg$		
	107		┞	1				1	:						
	108			T				Ī			-				
	109			Ī							I				
	110	·		T			L	1			L			_ :	
	1.1.1	1	Ŀ		·	_ `		ŀ	- :	<u>_</u>	L	4			
	112	_	_	1			L	1		L	$\downarrow$				
	113		ļ. <u>.</u>	1				4		<u> </u>	+	-	·	<u>'</u>	
	114		Ŀ	1	_		L	1		Ŀ	+				
	115		1	4			L	4		_	+		;	<u> </u>	-
<u> </u>	116		1=	+	'		-	1			+	'		<u> </u>	}
_	111		-	+		<u> </u>	╁	1		1.	╁	-		$\vdash$	-
-	111		-	+		-	╁	$\dashv$		F				-	1
┝	_		+-	+			-				+		_	-	۱ _
-	120	1	╁	+		-	1	7	_	-	+			-	1.
┝	12		-	+		-	╁	$\dashv$			+			-	1.
-	12		+	1			+	1	_	$\vdash$	†	÷			1
$\vdash$	12		+	1	_		-			T	†			Τ	
H	12		‡	-	_	-	T		-	T	1				]
一	12			7	_		T			-			Ŀ		
Г	12	_					$\prod$	•	-						<u></u> -
	12					E				$\perp$	1		_	Ŀ	
	: 12		$\perp$		Ŀ	L	1	_		1	-		-	$\vdash$	┦ .
L	13	_	1		_	-	1	_	_	1	4		-	┼	-
_	13	31	-		L	<u> </u>	+		╀	╀	+	-	╀	+	┤╶
L	4	2		-	_	+	+			+	+		+	+	
$\vdash$	13	33 34			⊢	+	+	-	╁╌	+	-		·1—	+-	
-		35	+	_	-	+	+		Е	1	7		-[-	+	┧
$\vdash$		_	-		┢	+	+			+	7		+	1	7.
$\vdash$		37	+		T	$\dagger$	1		$\vdash$	+					]
$\vdash$		38	1		$\top$	1	7								
	1:	39							Ι				$\perp$	$\downarrow$	4
Γ	1.	40											1	1	_
		41											1	$\perp$	_
		42	$\Box$		Ţ				1	1	:	L	_	+	+
	_	43	1	_	$\perp$	_	1		1	1		L	4-	+	4
L		44	_		1	1	_	_	$\downarrow$	$\downarrow$	<del>-</del> ;	-	+	+	$\dashv$
		45	+	_	+	+	4			+	<u> </u>	-	+	+	-
-		46	-+		+	+	-	_	+	+		$\vdash$	+	+	1
-		47	-		+	+	-		+	+	_	$\vdash$	十	+	-
F		48			+	+			+	+		T	十	十	7
-		49 50	+	_	+	+	_		+	十	_	T		工	
L.	`						_	_							

issi

1=0 1=1... == 40 actions